

Converting Colors

$Yxy(71.4629, 0.2851, 0.4188)$

Have a look what the booklet for
Yxy(71.4629, 0.2851, 0.4188)
contains.

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Color

Yxy(71.3467, 0.2850, 0.4179)

Conversions

Conversions Part 1

Format	Color
Hex	83F2AD
RGB	131, 242, 173
RGB Percent	51%, 95%, 68%
CMY	0.4861, 0.0510, 0.3217
CMYK	0.46, 0.00, 0.29, 0.05
HSL	143°, 81%, 73%
HSV	143°, 46%, 95%
XYZ	48.6571, 71.3467, 50.7229
YIQ	200.9450, -44.0070, -44.9910

Conversions

Conversions Part 2

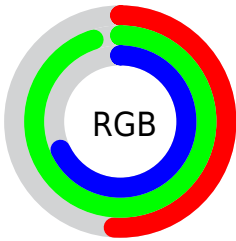
Format	Color
RYB	131, 212, 242
Decimal	8647341
CIELab	87.65, -46.80, 23.67
CIELCh	88, 52.446, 153.169
Yxy	71.3467, 0.2850, 0.4179
Android (android.graphics.Color)	4286837421 (0xFF83F2AD)
YUV	200.9450, -13.7769, -61.3418
Hunter-Lab	84.4670, -44.9925, 23.5229

Details

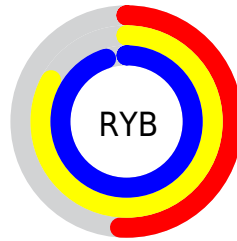
The Yxy color **71.3467, 0.2850, 0.4179** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **39.2962, 0.3587, 0.2554**, and the grayscale version is **58.4864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9960, 0.2879, 0.3573**, and **37.4317, 0.2767, 0.4424** is the 20% darker color. If you saturate the color by 10%, you get **69.0866, 0.2811, 0.4418**, and if you desaturate by 10%, it is **74.1296, 0.2900, 0.3952**.

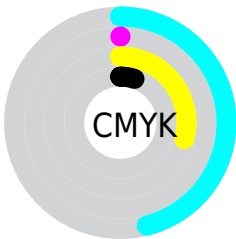
Distribution



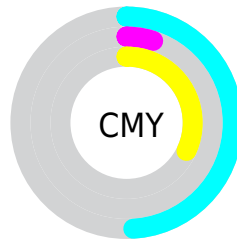
- Red (51%)
- Green (95%)
- Blue (68%)



- Red (51%)
- Yellow (83%)
- Blue (95%)



- Cyan (46%)
- Magenta (0%)
- Yellow (29%)
- Black (5%)



- Cyan (49%)
- Magenta (5%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.3467, 0.2850, 0.4179 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 71.3467, 0.2850, 0.4179 by changing the saturation by 10% instead.


 71.3467, 0.2850,
0.4179


 71.3467, 0.2850,
0.4179

465.2645, 0.2991,
0.3742


 52.6252, 0.2814,
0.4285


 121.1273, 0.2902,
0.4022

 37.5036, 0.2769,
0.4420


 152.9551, 0.2921,
0.3962

 25.5977, 0.2708,
0.4597


 189.9205, 0.2937,
0.3912

 16.5229, 0.2623,
0.4836

232.4078, 0.2951,
0.3868

 9.8949, 0.2498,
0.5179

280.8015, 0.2963,
0.3830

 5.3293, 0.2298,
0.5702

335.4859, 0.2974,

 2.4418, 0.1970,

0.3797

0.6727

396.8454, 0.2983,
0.3768

0.8473, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

71.3467, 0.2850,
0.4179

71.3467, 0.2850,
0.4179

69.0866, 0.2811,
0.4418

74.1296, 0.2900,
0.3952

67.3065, 0.2788,
0.4663

77.4574, 0.2959,
0.3743


65.9709, 0.2781,
0.4905

81.3614, 0.3022,
0.3552


65.0355, 0.2794,
0.5135

85.8680, 0.3088,
0.3381

 64.4455, 0.2824,
0.5342

 91.0019, 0.3155,
0.3229

 64.2677, 0.2839,
0.5421

 91.9849, 0.3133,
0.3165

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.3467, 0.3467, 0.4452



71.3467, 0.2850, 0.4179



71.3467, 0.2338, 0.3576

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.3467, 0.2850, 0.4179



71.3467, 0.2242, 0.2313



71.3467, 0.4337, 0.3445

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



71.3467, 0.2850, 0.4179



39.2962, 0.3587, 0.2554

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.3467, 0.3942, 0.2974



71.3467, 0.2850, 0.4179



71.3467, 0.2695, 0.2353

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.3467, 0.2850, 0.4179



71.3467, 0.2021, 0.2503



71.3467, 0.3318, 0.2589



71.3467, 0.4356, 0.3925

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.3467, 0.2850, 0.4179



71.3467, 0.2118, 0.3139



71.3467, 0.3318, 0.2589



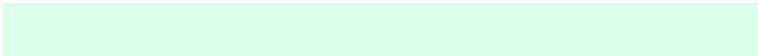
71.3467, 0.4243, 0.3283

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



71.3496, 0.2850, 0.4179



92.4977, 0.3034, 0.3519



77.6064, 0.3512, 0.4540



19.5769, 0.3020, 0.3558



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.3496, 0.2850, 0.4179



77.9653, 0.2814, 0.4401



73.8914, 0.2582, 0.3468



17.7552, 0.3064, 0.3441



34.5492, 0.2831, 0.5390



2.8929, 0.2757, 0.5125

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



39.2962, 0.3587, 0.2554



37.7294, 0.3722, 0.2421



37.1926, 0.4202, 0.3131



15.9243, 0.3196, 0.3144



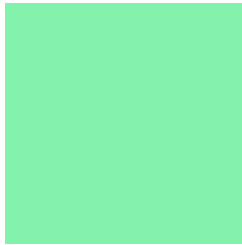
11.3613, 0.4449, 0.2225



0.9644, 0.4242, 0.2111

Previews

White Background



This preview shows how the Yxy color 71.3467, 0.2850, 0.4179 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 71.3467, 0.2850, 0.4179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.3467, 0.2850, 0.4179

Background



This preview shows how black text looks on a background with the Yxy color 71.3467, 0.2850, 0.4179.

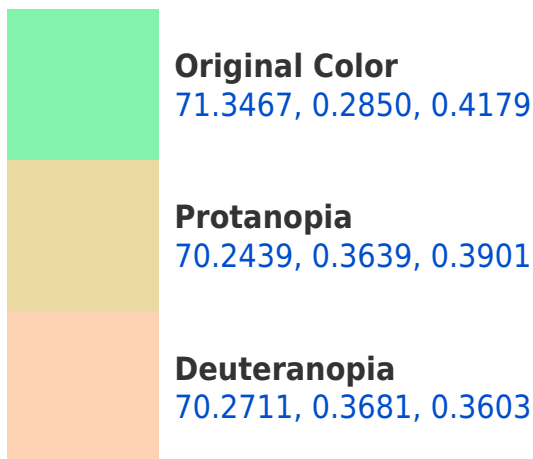


This preview shows how white text looks on a background with the Yxy color 71.3467, 0.2850, 0.4179.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia

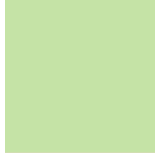
71.1623, 0.2537, 0.3069

Trichromacy



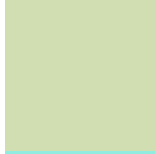
Original Color

71.3467, 0.2850, 0.4179



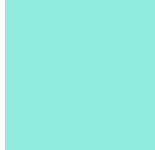
Protanomaly

69.5617, 0.3309, 0.4011



Deuteranomaly

68.9722, 0.3333, 0.3810



Tritanomaly

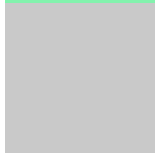
71.1583, 0.2647, 0.3446

Monochromacy



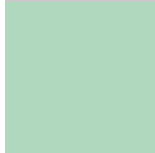
Original Color

71.3467, 0.2850, 0.4179



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

62.1034, 0.3006, 0.3600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.3467, 0.2850, 0.4179 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(131, 242, 173)` looks like.

```
.text, #text, p{  
    color:rgb(131, 242, 173)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(131, 242, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 242, 173) }
```

Border

The CSS property to change the border of an element to Yxy 71.3467, 0.2850, 0.4179 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(131, 242, 173) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(131, 242, 173) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(131, 242, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 242, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 242, 173);  
box-shadow:4px 4px 4px 4px rgb(131, 242,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 71.3467, 0.2850, 0.4179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 242, 173) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(131,  
242, 173) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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